Appendix C. Application Process and Flowchart

This appendix illustrates the overall process through which a diesel emission control strategy would be verified. To illustrate the steps an applicant must follow, a flowchart is presented at the end.

If an applicant would like to have an emission control strategy verified, it should first submit a proposed verification testing protocol to ARB. The proposed protocol should lay out the applicant's plans for meeting the testing requirements. This step, although not a requirement, helps to ensure that ARB ultimately receives the information it needs to evaluate the technology and also that the applicant understands the requirements and does not waste its own time and resources with unnecessary or irrelevant testing.

In the proposal, the applicant should suggest what the emission control group parameters and the parameters' values should be, based on the nature of its system. Staff will work with the applicant to determine an appropriate set of parameters and values. After defining the preliminary emission control groups, the applicant must select one with which to verify its system. The proposal, and later the formal application itself, must both focus on use of the control strategy with this single emission control group. By requiring that the scope of the first application be restricted, staff will be more able to conduct a thorough review of the diesel emission control strategy. Extensions of existing verifications need not be limited to a single emission control group, but are nevertheless made on an emission control group basis.

Another key point regarding the proposed verification testing protocol is that the applicant may submit existing test data for staff to determine whether it partially satisfies the testing requirements of the verification procedure. ARB recognizes that testing can be costly and particularly burdensome for smaller companies. Therefore, existing test data will be considered by staff even if, for example, it may have been generated with test cycles other than those requested in the procedure.

Once the applicant and staff agree on a test proposal, the application process begins. The applicant would submit an application in the format prescribed in the procedure (Section 2702(d)). Within 30 days of receipt of the application, staff will inform the applicant of its completeness and whether additional information is required. Within 60 days after an application has been deemed complete, the staff will determine whether the diesel emission control strategy merits verification. If staff verifies the strategy, ARB will issue an Executive Order to the applicant which classifies the system according to Table C1 below:

Table C1. Diesel Emission Control Strategy Verification Classifications

Pollutant	Reduction	Classification
PM	< 25%	Not verified
	≥ 25% but < 50%	Level 1
	≥ 50% but < 85%	Level 2
	≥ 85%, or ≤ 0.01 g/bhp-hr	Level 3
NOx	< 15%	Not verified
	≥ 15%	Verified in 5% increments

As already stated, the applicant must limit the scope of its initial application to verification of its system with only one emission control group. After the system is verified for use with one emission control group, the manufacturer may apply for extension of its verification to cover other emission control groups by using additional test data, engineering justification, and any other information deemed necessary by staff.

If an applicant makes design modifications to an already verified diesel emission control strategy, the modified version must be verified. The applicant must provide a detailed description of the design modification along with an explanation of how the modification will change the operation and performance of the diesel emission control strategy. To support its claims, the applicant may submit additional test data, engineering justification, and any other information deemed necessary by staff.

Application Process Flowchart